

## HIGH SPEED RECTIFIER APPLICATIONS

- Unit in mm

15.9 MAX.  $\phi 3.2 \pm 0.2$

1.0 4.5

2.0

3.3 MAX.

2.0 ± 0.3

20.0 ± 0.3

2.0 9.0

20.5 ± 0.5

1.0 - 0.25 + 0.3

2.0 ± 0.3

5.45 ± 0.2 5.45 ± 0.2

1.8 MAX. + 0.3 0.6 ± 0.1

1 3 2

2.8 4.8 MAX.

1. ANODE
2. ANODE
3. CATHODE COMMON

JEDEC —

EIAJ —

TOSHIBA 12-16D1A

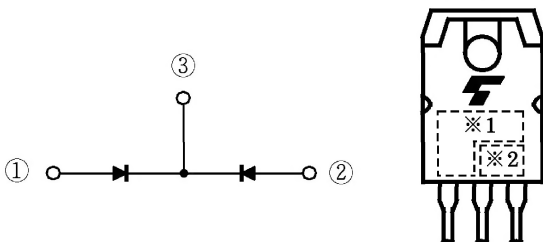
CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	16FWJ2C42	$V_{RRM}$	30	V
	16GWJ2C42		40	
Average Output Rectified Current (Tc=110°C)		$I_O$	16	A
Peak One Cycle Surge Forward Current (Sin Wave, Ta=25°C)		$I_{FSM}$	160 (50Hz)	A
			192 (60Hz)	
Junction Temperature		$T_j$	-40~125	°C
Storage Temperature Range		$T_{stg}$	-40~150	°C
Screw Torque		—	0.8	N·m

Weight : 4.85g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 1)	V <sub>FM</sub>	I <sub>FM</sub> =8.0A	—	—	0.55	V
Repetitive Peak Reverse Current (Note 1)	I <sub>RRM</sub>	V <sub>RRM</sub> =Rated	—	—	15	mA
Junction Capacitance (Note 1)	C <sub>j</sub>	V <sub>R</sub> =10V, f=1.0MHz	360	—	—	pF
Thermal Resistance	R <sub>th(j-c)</sub>	DC Total, Junction to Case	—	—	1.2	°C/W

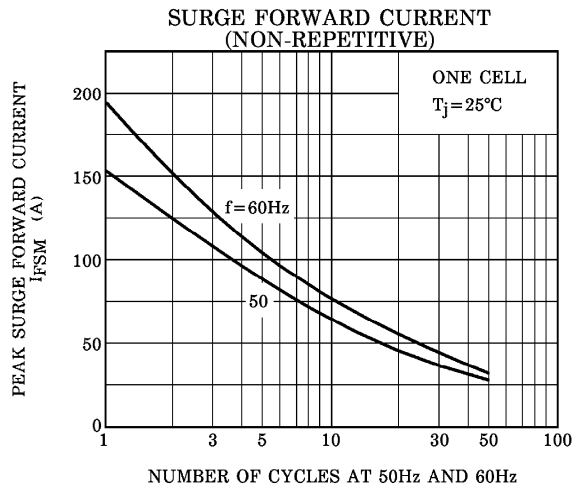
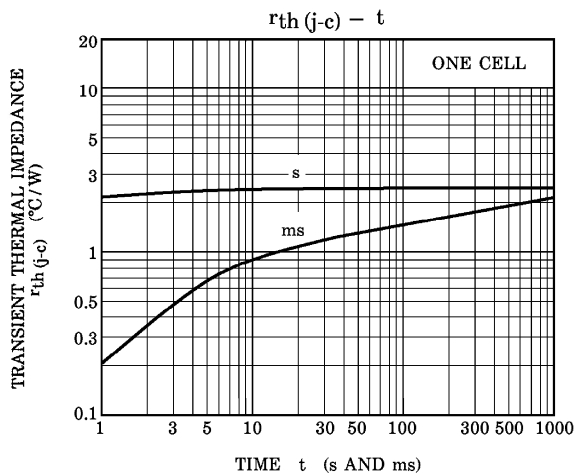
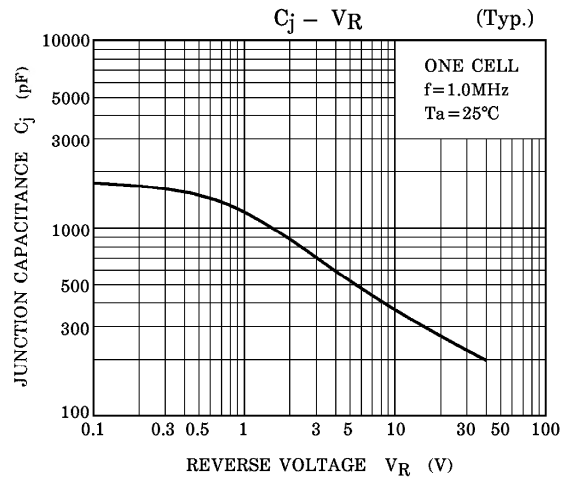
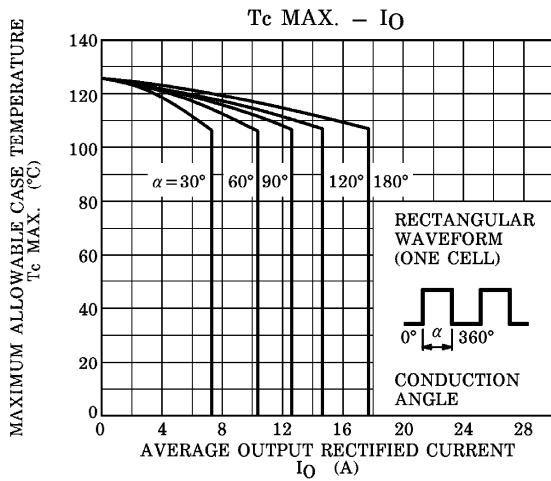
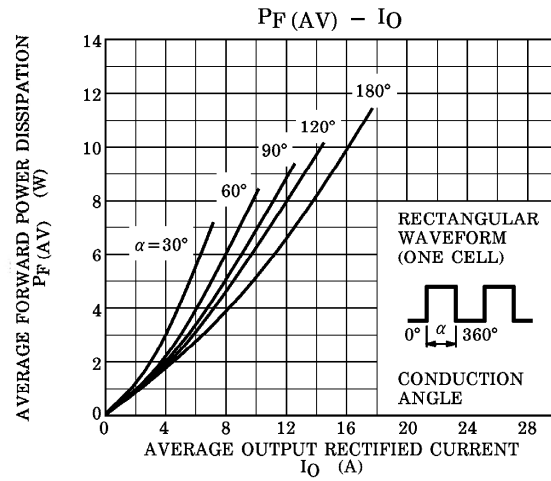
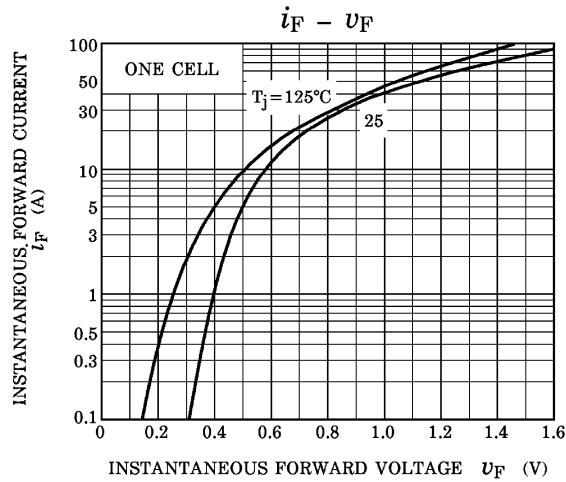
## POLARITY

## MARKING



※1	TYPE	16FWJ2C42, 16GWJ2C42
※2	<p>Lot Number</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="margin-left: 5px;"> <p>Month (Starting from Alphabet A)</p> <p>Year (Last Number of the Christian Era)</p> </div> </div>	

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